

Claims

1. A water craft where the hull divides in the aft section from or near the central fore and aft line of the craft and sweeping out toward the beam of the craft on both sides so that a roofed swallow tail is formed with its widest part toward the stern of the craft.
2. A swallow tailed craft as in Claim 1 in which the space between the two parts of the swallow tail is substantially below the water line.
3. A swallow tailed craft as in Claim 1 in which the space between the two parts of the swallow tail is both below and above the waterline.
4. A swallow tail craft as in Claim 1 wherein the gap between the two parts of the swallow tail is roofed all the way to the transom.
5. A swallow tail craft as in Claim 1 wherein the craft has a recessed transom in the area of the roofed swallow tail
6. A swallow tailed craft as in Claim 1 wherein the swallow tail begins before the aft third of the craft's length but in the aft half of the craft.
7. A swallow tailed craft as in Claim 1 wherein the short swallow tail begins in the aft third of the crafts length.
8. A swallow tail craft as in Claim 1 in which the junction of the wall of the swallow tail and the bottom of the craft form a sharp angle within 25 degrees of a right angle.

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9. A swallow tail craft as in Claim 1 wherein the junction of the wall of the swallow tail and the bottom of the craft is in part of the length of the swallow tail more than 25 degrees from the right angle.
10. A swallow tail craft as in Claim 1 wherein the first two thirds of the length of the swallow tail each part diverges from it's starting point by 25 percent of the distance from the starting point to the maximum waterline width.
11. A swallow tail craft as in Claim 1 wherein the swallow tails diverge 70 percent of the distance from their starting point to the maximum waterline width in the aft 25 percent of the length of the swallow tail.
12. A swallow tail craft as in Claim 1 wherein the swallow tails diverge at rates out with the measurements in Claims 9 and 10.
13. A swallow tail craft as in Claim 1 in which the draft of the swallow tails decrease along their lengths to be at or near the waterline at the transom
14. A swallow tail craft as in Claim 1 in which the draft of the swallow tails remains substantially the same along their length.
15. A swallow tail craft as in Claim 1 in which there is a sharp or within 25 degrees of a right angle edge both where the walls of the swallow tails meet the bottom of the boat and where the outside sides of the hull meets the bottom of the boat in the aft section of the craft.
16. A swallow tail craft as in Claim 1 where the bottom of the hull in the aft section is substantially flat.

17. A swallow tail craft as in Claim 1 wherein the side of the craft and the wall of the swallow tails converge to meet in a point at the transom
18. A swallow tail craft as in Claim 1 where there is a flat area with a sharp angle between the bottom of the boat and the transom between the meeting of the wall of the swallow tail at the transom and the meeting of the side of the hull at the transom.
19. A swallow tail as in Claim 1 wherein concave sections in the bottom of the craft or the tunnel continue substantially into the swallow tails.
20. Swallow tails as in Claim 1 in which the swallow tails are part of a multihull sponson.
21. A swallow tail craft as in Claim 1 wherein the roofed swallow tail provides housing for a rudder.
22. A swallow tail craft as in Claim 1 wherein the roofed swallow tail provides housing for rudder mountings.
23. A swallow tail craft as in Claim 1 wherein the rudder mounting is mounted through the roof of the swallow tail.
24. A swallow tail craft as in Claim 1 wherein the roofed swallow tail provides housing for a swing bladed rudder.
25. A swallow tail craft as in Claim 1 wherein the roofed swallow tail provides housing for a dagger or centre board.

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26. A Swallow tail craft as in Claim 1 wherein the roofed swallow tail provides housing for a drop keel
27. A swallow tail craft as in Claim 1 wherein the roofed swallow tail provides housing for one or more propellers.
28. A swallow tail craft as in Claim 1 wherein the roofed swallow tail provides housing for a water jet.
29. A swallow tail craft as in Claim 1 wherein the roofed swallow tail provides housing for a trailing log.
30. A swallow tail craft as in Claim 1 wherein the roofed swallow tail provides housing for water power generation.
31. A swallow tail craft as in Claim 1 wherein the roofed swallow tail provides housing for drainage.
32. A swallow tail craft as in Claim 1 wherein the roofed swallow tail with a recessed transom provides mounting for an outboard motor.
33. A swallow tail craft as in Claim 1 wherein the roofed swallow tail with a recessed transom provides mounting for steering controls.
34. A swallow tail craft as in Claim 1 in which the craft is propelled by motor.
35. A swallow tail craft as in Claim 1 in which the craft is propelled by sail.
36. A swallow tail craft as in Claim 1 in which the craft is propelled by paddle.

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37. A swallow tail craft as in Claim 1 in which the craft is propelled by rowing.
38. A swallow tail craft as in Claim 1 wherein the craft is propelled by water jet.
39. A swallow tail craft as in Claim 1 wherein the craft has a combination of one or more means of propulsion.
40. A swallow tailed craft as in Claim 1 in which the craft is a monohull.
41. A swallow tail craft as in Claim 1 in which the craft is a tunnel hull.
42. A swallow tail craft as in Claim 1 in which the craft is a multihull.
43. A swallow tail craft as in Claim 1 in which the craft is a sailing dinghy.
44. A swallow tail craft as in Claim 1 in which the craft is a canoe.
45. A swallow tail craft as in Claim 1 in which the craft is a Kayak
46. A swallow tail craft as in Claim 1 in which the craft is a speedboat.
47. A swallow tail craft as in Claim 1 in which the craft is a yacht.
48. A swallow tail craft as in Claim 1 in which the craft is a work craft.
49. A swallow tail craft as in Claim 1 in which the craft is a windsurfer or sail board.